

Diffusion models of slope development.

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Abstract

Represents a systematic investigation of slope evolution diffusion models: 1) the model of slope development with linear coefficient; 2) the model of slope development with quadratic coefficient; 3) slope development model with vertical lowering of base level (downcutting); 4) slope development model with the base level a horizontal variable (undercutting); 5) steady-state regime of undercut slopes; 6) model of a pediment and scree slope formation. Comparison is made between mathematical and classical methods of slope evolution analysis. -from Authors
